

ALLOCATION-PERTINENT STATIONS AND SPACING REQUIREMENTS OF §73.207					
CALL LETTERS	CHANNEL	N. LATITUDE	E. LONGITUDE	ACTUAL DISTANCE	REQUIRED DISTANCE
KIZS	234-B1	38° 40' 22"	121° 19' 47"	57. Km	14. Km
KIZS	234-C	39° 15' 30"	119° 42' 36"	193	31
KSAN-FM	235-B	37° 41' 22"	122° 26' 10"	145	17
KYIX	285-A	39° 39' 05"	121° 27' 41"	89	48
KRPQ	285-A	38° 23' 32"	122° 39' 54"	89	48
KRAK-FM	286-B	38° 38' 31"	121° 05' 25"	77	71
KITS	287-B	37° 41' 20"	122° 26' 07"	145	145
KGOE	288-C1	40° 43' 52"	123° 57' 06"	266	233
KREL	288-A	37° 56' 55"	120° 42' 16"	151	143
KIQS-FM <sup>1</sup>	288-A	39° 31' 44"	122° 10' 09"	71	143
KOZZ-FM	289-C	39° 15' 34"	119° 42' 21"	194	193
KARA	289-B	37° 21' 32"	121° 45' 22"	174	145
KQPM	290-B	39° 07' 50"	123° 04' 32"	104	71
KARZ	291-C	40° 54' 21"	121° 49' 38"	220	105
KMEL	291-B	37° 41' 24"	122° 26' 13"	145	71

## V. CONCLUSIONS

From this study it has been determined that the FM Table of Allotments of § 73.202(b) of the Commission's Rules may be amended with technical compliance of all applicable Rules. The petitioner, KIQS, Inc., respectfully requests the following changes to the Table:

### PRESENT

#### COMMUNITY

Willows, California

Dunnigan, California

#### CHANNEL

288A

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<sup>1</sup> Licensed Class A facility of KIQS-FM at Willows, California.

**PROPOSED**

**COMMUNITY**

**CHANNEL**

Willows, California

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Dunnigan, California

288B1

The petitioner further requests that its authorization for KIQS-FM be modified to specify operation on Channel 288 with Class B1 facilities at Dunnigan, California. Upon allotment of Channel 288B1 to Dunnigan, KIQS, Inc., promptly will file an application for construction permit for Class B1 facilities for KIQS-FM, accordingly.

It is believed that all methods employed in making the determinations contained within this Engineering Statement were in accordance with applicable F.C.C. Rules and Regulations and good engineering practice.

Respectfully Submitted,

**Lawrence L. Morton, P.E.**  
**Consulting Engineer to the Petitioner**  
**December 16, 1993**

## AFFIDAVIT

State of California                    )  
  )  
County of Orange                    )     ss:

Lawrence L. Morton, being first duly sworn upon oath, deposes and says:

- That he is a qualified engineer,
- That he is a Registered Professional Engineer in the State of California,
- That he is a member of the Association of Federal Communications Consulting Engineers,
- That his qualifications are a matter of record with the Federal Communications Commission,
- That he has prepared many broadcast applications and engineering exhibits that have been filed with and granted by the Federal Communications Commission,
- That he has carried out such engineering work and that the results thereof are attached hereto and form part of this affidavit, and
- That the foregoing statement and the report regarding the aforementioned engineering work are true and correct of his own knowledge.

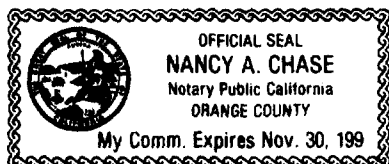
Date: December 16, 1993

  
\_\_\_\_\_  
Lawrence L. Morton, P.E.

On December 16, 1993, before me, Nancy A. Chase, a Notary Public, in and for the State of California, personally appeared Lawrence L. Morton known to me to be the person whose name is subscribed to the within instrument, and acknowledged to me that he executed the same.

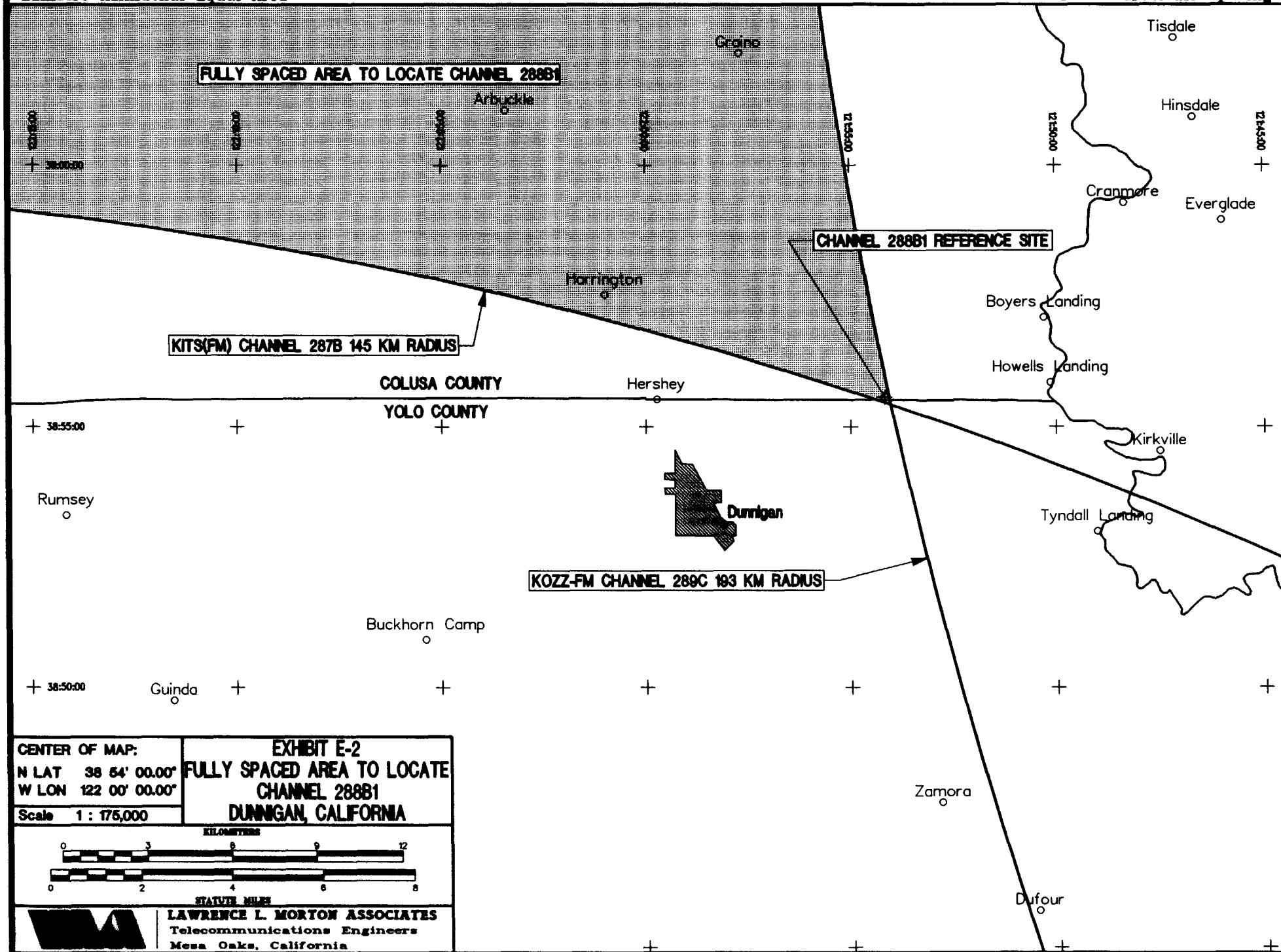
My Commission expires 11/30/94

  
\_\_\_\_\_  
Notary Public



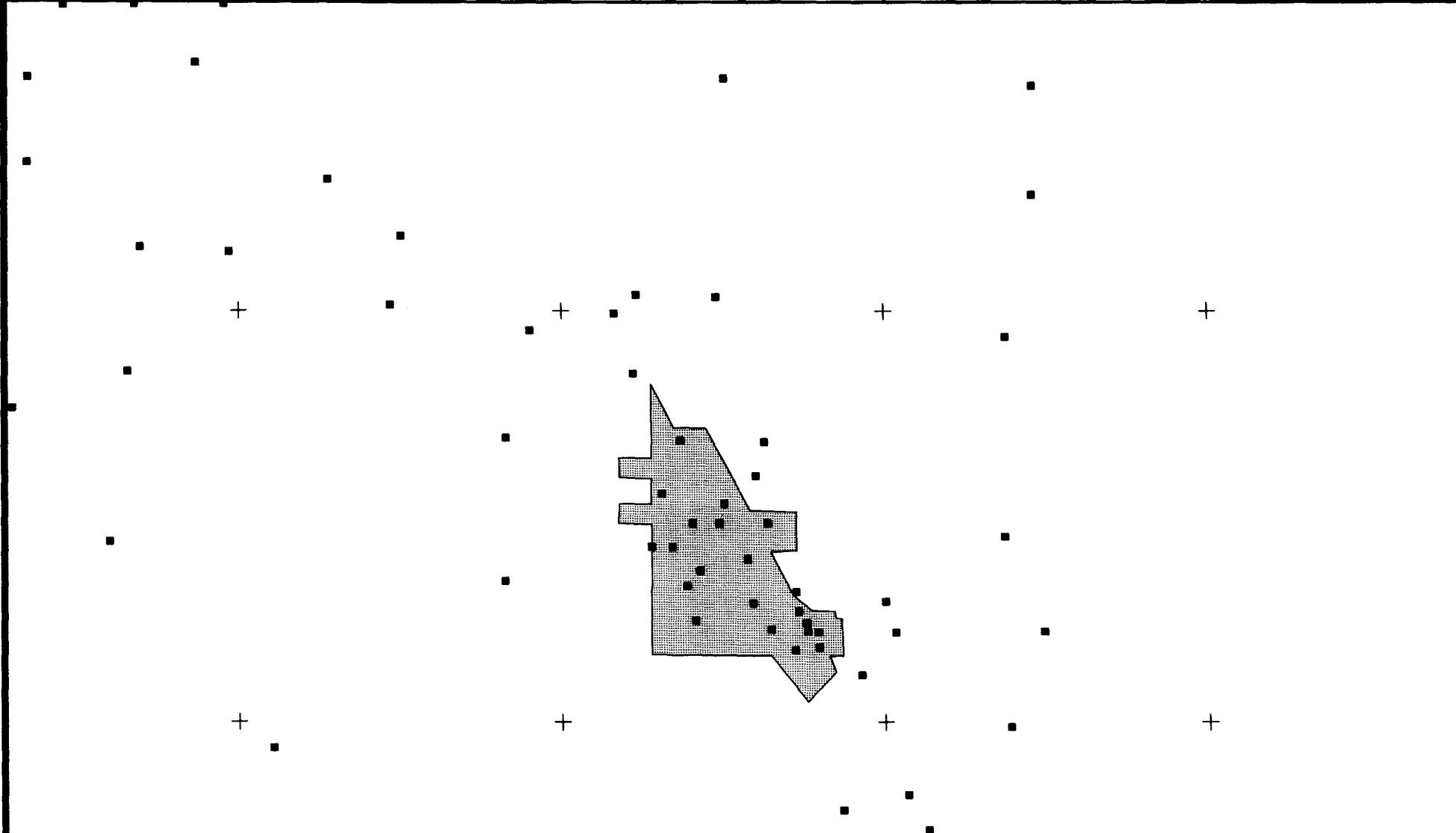
Lambert Azimuthal Equal-Area

5' 00" Graticule Spacing



Lambert Azimuthal Equal-Area

2' 30" Graticule Spacing



CENTER OF MAP:

N LAT 38 53' 35.00"  
W LON 121 58' 41.00"

Scale 1 : 63,360

EXHIBIT E-3

DISTRIBUTION OF 1000 CENSUS BLOCKS  
IN THE VICINITY OF THE  
DUNNINGAN TOWNSHIP BOUNDARIES



LAWRENCE L. MORTON ASSOCIATES  
Telecommunications Engineers  
Mesa Oaks, California

Lambert Azimuthal Equal-Area

5' 00" Graticule Spacing

CENTER OF MAP:

N LAT 39 30' 27.00"

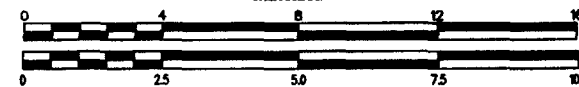
W LON 122 03' 30.00"

Scale 1 : 221,415

EXHIBIT E-4

KIQS-FM BMLH-031202KH SERVICE CONTOUR  
FROM LICENSED SITE IN WILLOWS  
ON CHANNEL 288A

KILOMETERS



STATUTE MILES



LAWRENCE L. MORTON ASSOCIATES  
Telecommunications Engineers  
Mesa Oaks, California

Artois

Rancho Llano Seco

Esquon

Bayliss

Nelson

Willows

Glenn

Richvale

Butte City

Princeton

KIQS-FM BMLH-031202KH 60 DBU SERVICE CONTOUR

LAND AREA WITHIN 60 DBU CONTOUR: 1,048 SQ KM

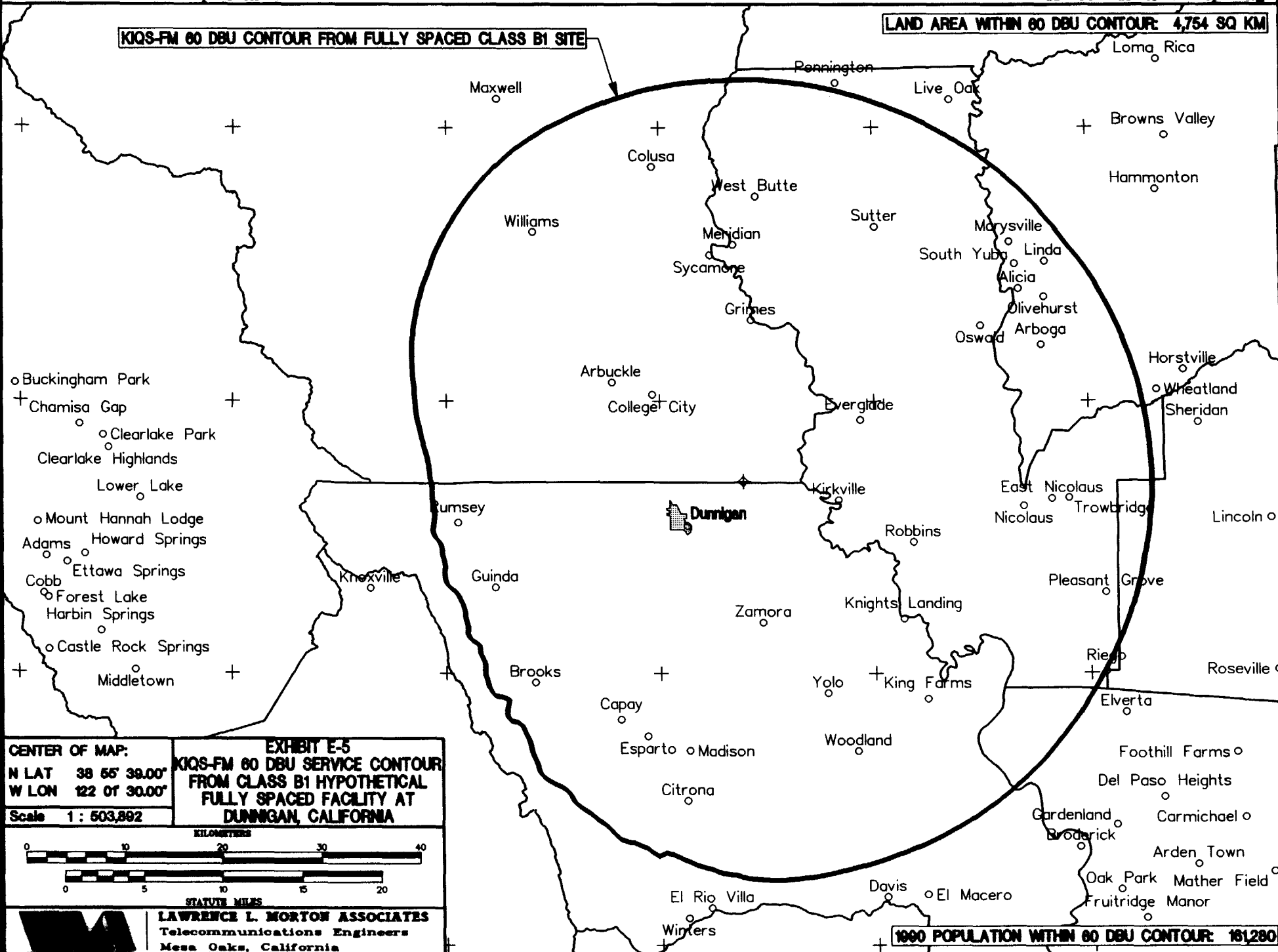
1990 POPULATION WITHIN 60 DBU CONTOUR: 10,542

Lambert Azimuthal Equal-Area

15' 00" Graticule Spacing

KIQS-FM 60 DBU CONTOUR FROM FULLY SPACED CLASS B1 SITE

LAND AREA WITHIN 60 DBU CONTOUR: 4,754 SQ KM



CENTER OF MAP:

N LAT 38 55' 39.00"  
W LON 122 07' 30.00"

Scale 1 : 503,892

EXHIBIT E-5

KIQS-FM 60 DBU SERVICE CONTOUR  
FROM CLASS B1 HYPOTHETICAL  
FULLY SPACED FACILITY AT  
DUNNIGAN, CALIFORNIA

KILOMETERS



STATUTE MILES



**LAWRENCE L. MORTON ASSOCIATES**  
Telecommunications Engineers  
Mesa Oaks, California

1990 POPULATION WITHIN 60 DBU CONTOUR: 161,280

**EXHIBIT E-6**  
**1990 U.S. CENSUS DEMOGRAPHICS**  
**WITHIN KIQS-FM BMLH-931202KH 60 dB $\mu$  SERVICE CONTOUR**  
 KIQS, Inc.  
 December 1993

DEMOGRAPHICS	WITHIN 60 dB $\mu$ CONTOUR	
	POPULATION	PERSONS 18+ YEARS
<b>TOTAL POPULATION</b>	<b>10,542</b>	<b>7,277</b>
<b>RACE</b>		
White	8,872	6,413
Black	46	34
American Indian, Eskimo or Aleutian	246	166
Asian or Pacific Islander	688	260
Other	690	404
<b>HISPANIC ORIGIN AND RACE</b>		
Hispanic	1,242	717
<b>NOT OF HISPANIC ORIGIN</b>		
White	8,382	6,130
Black	45	33
American Indian, Eskimo or Aleutian	209	146
Asian or Pacific Islander	652	244
Other	12	7
<b>TOTAL HOUSING UNITS</b>	<b>4,057</b>	
<b>CENSUS BLOCKS COUNTED</b>	<b>431</b>	
<b>AREA IN SQUARE KILOMETERS</b>	<b>1,048.308</b>	
<b>AREA IN SQUARE MILES</b>	<b>404.754</b>	



**EXHIBIT E-7**  
**1990 U.S. CENSUS DEMOGRAPHICS**  
**WITHIN KIQS-FM CHANNEL 288B1 60 dB $\mu$  SERVICE CONTOUR**  
 KIQS, Inc.  
 December 1993

DEMOGRAPHIC	PERSONS	PERSONS PER CENSUS BLOCK
<b>TOTAL POPULATION</b>	<b>161,280</b>	<b>113,184</b>
<b>RACE</b>		
White	123,862	90,321
Black	3,184	2,104
American Indian, Eskimo or Aleutian	3,022	1,980
Asian or Pacific Islander	11,461	6,834
Other	19,751	11,945
<b>HISPANIC ORIGIN AND RACE</b>		
Hispanic	32,440	19,572
<b>NOT OF HISPANIC ORIGIN</b>		
White	112,118	83,223
Black	3,002	1,999
American Indian, Eskimo or Aleutian	2,600	1,752
Asian or Pacific Islander	10,784	6,449
Other	336	189
<b>TOTAL HOUSING UNITS</b>	<b>59,830</b>	
<b>CENSUS BLOCKS COUNTED</b>	<b>3,016</b>	
<b>AREA IN SQUARE KILOMETERS</b>	<b>4,754.314</b>	
<b>AREA IN SQUARE MILES</b>	<b>1,835.651</b>	